



COPY OF PAPERS
ORIGINALLY FILED

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Baiju Shah et al.

Examiner: na

Serial No. 10/090,550

Art Group: 2161

Filing Date: March 4, 2002

Docket No. 33836000019

Title: CONTENT BANK FOR OBJECTS

Assistant Commissioner for Patents
Washington, D.C. 20231

Certificate of First Class Mailing
I hereby certify that this paper is being deposited with the
United States Postal Service as first-class mail in an
envelope addressed to: Assistant Commissioner for
Patents and Trademarks, Washington, D.C. 20231, on this
date.

6-4-02
Date

Christine A. Wright
Christine A. Wright

CORRECTION TO FILING RECEIPT

Dear Sir:

We have received the official Filing Receipt for the above identified application and noted the following errors:

1. The Title should read "Content bank for objects" in place of "Content bank for object." A copy of the front page of the application is enclosed.

A copy of the filing receipt noting the above requested changes in red is enclosed. Please issue a corrected filing receipt. If there are any questions, please feel free to contact the undersigned directly at (312) 609-7536.

Respectfully submitted,

Dated: 6/4/02

By: Christopher P. Moreno
Christopher P. Moreno
Reg. No. 38,566

Vedder, Price, Kaufman & Kammholz
222 North LaSalle Street
Chicago, Illinois 60601
(312) 609-7797
(312) 609-5005 (fax)



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
10/090,550	03/04/2002	2161	2456	33836000019	10	78	11

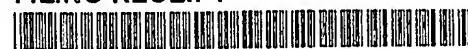
CONFIRMATION NO. 7097

30498

VEDDER PRICE/ACCENTURE
222 NORTH LASALLE STREET
CHICAGO, IL 60601



FILING RECEIPT



OC000000007801229

COPY OF PAPERS
ORIGINALLY FILED

Date Mailed: 04/05/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Baiju Shah, Palatine, IL;
Ryan C. Horner, Evanston, IL;

Domestic Priority data as claimed by applicant

THIS APPLICATION IS A CIP OF 09/817,917 03/26/2001

Foreign Applications

If Required, Foreign Filing License Granted 04/04/2002

Projected Publication Date: Request for Non-Publication Acknowledged

Non-Publication Request: Yes

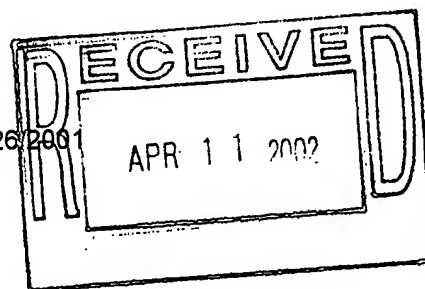
Early Publication Request: No

Title

objects
Content bank for ~~object~~

Preliminary Class

705





CONTENT BANK FOR OBJECTS

CROSS-REFERENCE TO RELATED APPLICATION

[0001] The instant application is a continuation-in-part of U.S. Patent Application Ser. No. 09/817,917, entitled METHODS AND APPARATUS FOR PROCESSING DATA IN A CONTENT NETWORK and filed March 26, 2001, the entire disclosure of which is hereby incorporated by this reference.

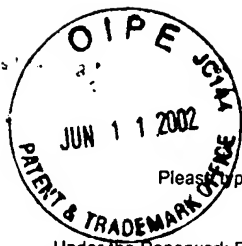
FIELD OF THE INVENTION

[0002] The present invention relates to the transfer of object-related information across one or more physical networks and, in particular, to a method and apparatus for processing object-related information in content networks thereby facilitating management of direct interactions with objects.

BACKGROUND OF THE INVENTION

[0003] It is common for entities (i.e., individuals or institutions) that are separately involved in the manufacturing, selling, utilizing and servicing of objects to separately possess information about such objects that may be of use to other entities. Conversely, entities that could benefit from access to certain types of object-related information routinely cannot obtain such information because it is in the possession of other entities with which they have no regular channel of communication. Entities are often required to go through time consuming and burdensome steps to obtain information about objects possessed by other entities.

[0004] The resulting inefficiencies are manifested in numerous ways. Companies that embed sensors in their equipment often do not have the capability to exploit that data for improved business results. For example, many industrial equipment manufacturers equip their products to provide Global Positioning System (GPS) data, but are typically unable to use such data in a meaningful way. As an extension of this problem, dynamic process interactions are often not conducted with the greatest possible efficiency. For example, underutilized truck fleets are a common occurrence because freight customers are often not aware of available cargo space.



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\$Receipt #3

Please type a plus sign (+) inside this box → ☐

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/090,550
Filing Date	March 4, 2002
First Named Inventor	Baiju Shah
Group Art Unit	2161
Examiner Name	na
Attorney Docket Number	33836000019

Total Number of Pages in This Submission

ENCLOSURES (check all that apply)

- ☒ Fee Transmittal Form
- ☐ Fee Attached
- ☐ Amendment / Reply
- ☐ After Final
- ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☐ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/ Incomplete Application
- ☒ Response to Missing Parts under 37 CFR 1.52 or 1.53

- ☒ Assignment Papers (for an Application)
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a Provisional Application
- ☒ Power of Attorney, Revocation Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s) _____

- ☐ After Allowance Communication to Group
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Other Enclosure(s) (please identify below):
 - Return Postcard
 - Copy of Notice to File Missing Parts
 - Declaration for Patent Application
 - Marked up copy of filing receipt
 - Correction to Filing Receipt

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name

Christopher P. Moreno, Reg. No. 38,566

Signature

Christopher P. Moreno

Date

6/4/02

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: June 4, 2002

Typed or printed name

Christine A. Wright

Signature

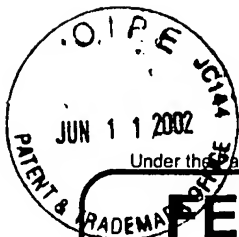
Christine Wright

Date

6-4-02

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Assignment
but we did not receive cover sheet



COPY OF PAPER
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PTO/SB/17 (10-01)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 170.00

Complete if Known

Application Number	10/090,550
Filing Date	03/04/2002
First Named Inventor	Baiju Shah
Examiner Name	na
Group Art Unit	2161
Attorney Docket No.	33836000019

METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:
- Deposit Account Number: 22-0259
- Deposit Account Name: Vedder, Price, Kaufman & Kammholz
- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
- ☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☐ Payment Enclosed:
- ☐ Check ☐ Credit card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 740	201 370	Utility filing fee	
106 330	206 165	Design filing fee	
107 510	207 255	Plant filing fee	
108 740	208 370	Reissue filing fee	
114 160	214 80	Provisional filing fee	

SUBTOTAL (1) (\$) 0.00

2. EXTRA CLAIM FEES

Total Claims: -20** = X =

Independent Claims: -3** = X =

Multiple Dependent: =

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 84	202 42	Independent claims in excess of 3
104 280	204 140	Multiple dependent claim, if not paid
109 84	209 42	** Reissue independent claims over original patent
110 18	210 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	130.00
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for ex parte reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 400	216 200	Extension for reply within second month	
117 920	217 460	Extension for reply within third month	
118 1,440	218 720	Extension for reply within fourth month	
128 1,960	228 980	Extension for reply within fifth month	
119 320	219 160	Notice of Appeal	
120 320	220 160	Filing a brief in support of an appeal	
121 280	221 140	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,280	241 640	Petition to revive - unintentional	
142 1,280	242 640	Utility issue fee (or reissue)	
143 460	243 230	Design issue fee	
144 620	244 310	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Processing fee under 37 CFR 1.17(q)	
126 180	126 180	Submission of Information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (times number of properties)	40.00
146 740	246 370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149 740	249 370	For each additional invention to be examined (37 CFR § 1.129(b))	
179 740	279 370	Request for Continued Examination (RCE)	
169 900	169 900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 170.00

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Christopher P. Moreno	Registration No. (Attorney/Agent)	38,566	Telephone	312-609-7797
Signature		Date	06/04/2002		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Docket No. 33836000019)

IN RE APPLICATION OF
Baiju Shah et al.

Serial No. 10/090,550

Filed: March 4, 2002

For: CONTENT BANK FOR OBJECTS

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Examiner: na

Group Art Unit: 2161

**RESPONSE TO NOTICE TO FILE MISSING PARTS
OF NONPROVISIONAL APPLICATION
FILING DATE GRANTED**

BOX MISSING PARTS
Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

In response to the Notice to File Missing Parts of Nonprovisional Application mailed April 5, 2002, applicant hereby submits the following: Declaration; fee transmittal form for all filing fees and surcharges; and a copy of the Notice To File Missing Parts.

Respectfully submitted,

Date:

6/4/02

By:

Christopher P. Moreno

Christopher P. Moreno
Reg. No. 38,566

Vedder, Price, Kaufman & Kammholz
222 North LaSalle Street
Chicago, Illinois 60601
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(312) 609-5005 Facsimile



UNITED STATES PATENT AND TRADEMARK OFFICE

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WASHINGTON, D.C. 20231
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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/090,550	03/04/2002	Baiju Shah	33836000019

30498
VEDDER PRICE/ACCENTURE
222 NORTH LASALLE STREET
CHICAGO, IL 60601CONFIRMATION NO. 7097
FORMALITIES LETTER
OC000000007801230

Date Mailed: 04/05/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- o The oath or declaration is unsigned.
- o To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- o The balance due by applicant is \$ 130.

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

06/14/2002 EAREGAY1 00000109 220259 10090550

01 FC:105 130.00 CH